



cablift

Operating Instructions

Edition 10/05



Product Description

The cablift in lightweight construction serves for lifting and transporting loads up to 110 kg. A good maneuverability in a small space and a minimal turning cycle are guaranteed by four steering casters. The lowered chassis at the variants LR50 makes it possible to move under pallets, boards and shelves.

The direction barrier on the rear casters prevents a slipping if the pavement is inclining. The cablift is secured by a parking brake during loading and unloading.

The precision spindle in the lift pillar driven by a direct current motor guarantees an even lifting and lowering. A brush ledge protects the spindle from contamination.

cab offers load retainers for different applications.

We manufacture special platforms and retainers on request.

Types of the cablift

Type	Part No.	Carrying capacity in kg	Lifting height in mm	Guide-caster LR Ø in mm	Fixed caster BR Ø in mm	Tare weight in kg
cablift 1000/LR75	8914390	110	1000	75	-	42
cablift 1000/LR50	8914595	110	1000	50	-	42
cablift 1000/BR80	8914615	110	1000	-	80	42
cablift 1500/LR75	8914395	110	1500	75	-	46
cablift 1500/LR50	8914600	110	1500	50	-	46
cablift 1500/BR80	8914620	110	1500	-	80	46

Safety Instructions



CAUTION !

- Read the Operating Instructions before starting up the cablift !
- Use the cablift only intended !
- Use the cablift only on smooth and even floors !
- Absolutely wear on use of the cablift industrial safety shoes !



- Do not use the cablift to lift persons !
- Be careful on crossing of unevennesses like thresholds, tubes and cables !
- Always activate the parking brake during loading and unloading !
- Pay attention that the load retainer is faultless and properly fixed on the lift pillar !
- Make sure that the size and the form of the loaded product corresponds to the used load retainer !
Attend in addition the dimension of the load retainer !
- Do not exceed the maximal carrying capacity of the load retainer !

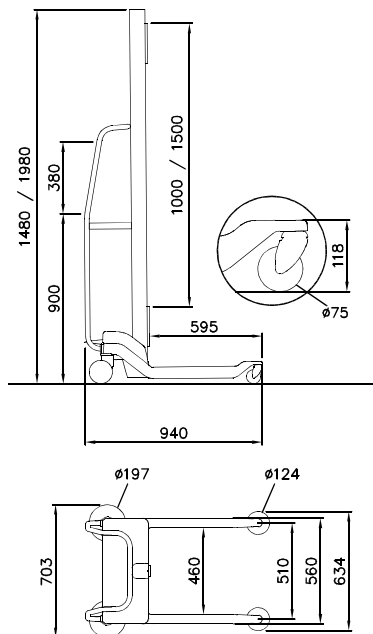


- Make sure that the weight of the loaded product and the weight of the load retainer do not exceed the maximal carrying capacity of the cablift !
- Do not enter the area under the lifted load and pay attention to any person entering this area !
- Charge the accumulator only if the cablift is rested !
- Do not open the machine during the charging !
- Do not clean the cablift with water sprayers or something similar !
The cablift meets the requirements of the degree of protection IP 41 (protection of electrical devices against wetness).

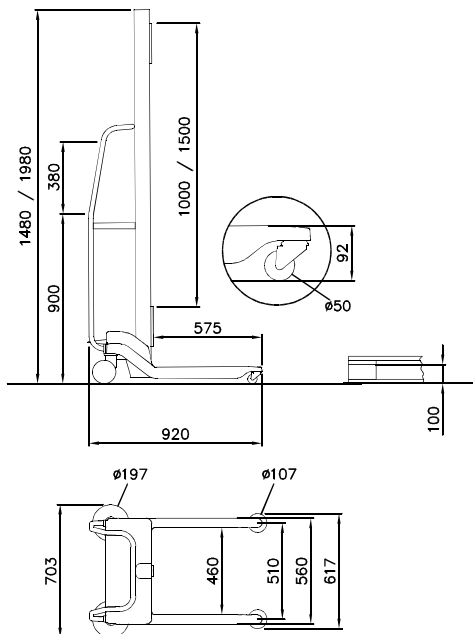
Technical Specifications

Carrying capacity	110 kg
Net load	Carrying weight minus weight of platform
Tare weight	from 42 up to 46 kg
Lifting height	up to 1000/1500 mm
Lifting speed	85 mm/s at 40 kg load 40 mm/s (creep speed)
Power-on time	30% at max. load
Under ride height	118 mm caster wheels front 75 mm 92 mm caster wheels front 50 mm 92 mm fixed rollers front 80 mm
Emergency stop with acoustic signal	overload, upper and lower end position, block of platform
Charging power	85 - 264 VAC / 50 - 60 Hz
Length of the power cord	5 m with roll up
Accumulator	maintenance free, 7,2 Ah 18 VDC about 100 lifts of 70 kg at 1 m height
Display of state of charge	3 LED green / yellow / red
ESD conductable	according to VDE DIN EN 61340
Surface resistance	10^4 up to 10^9 Ohm
Operation temperature	+5 up to +40 °C
Storage temperature	-15 up to +50 °C
Humidity	30 up to 95 % non-condensing
Safety requirements	CE, 98/37/EU, 73/23/EEC, 89/336/EEC

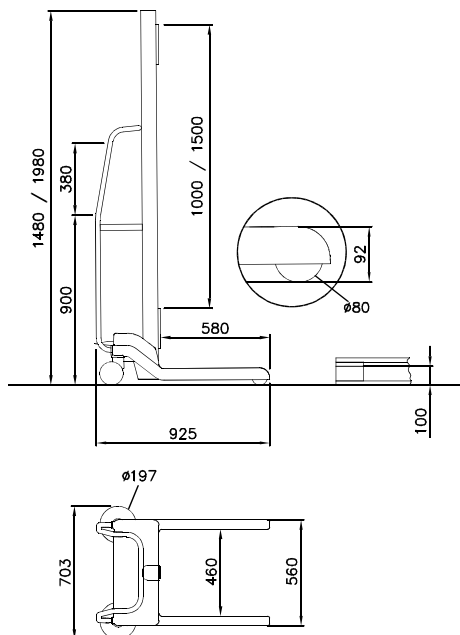
cablift with caster wheels LR75



cablift with caster wheels LR50



cablift with fixed rollers BR80



Delivery Contents



NOTICE !

Be sure to preserve the original packaging for possible later shipment !



1 - cablift



2 - 2 Screws (part no. 8913723)
for mounting the load retainer



3 - Operating Instructions



4 - Allen Key DIN911 5 mm

Start-Up

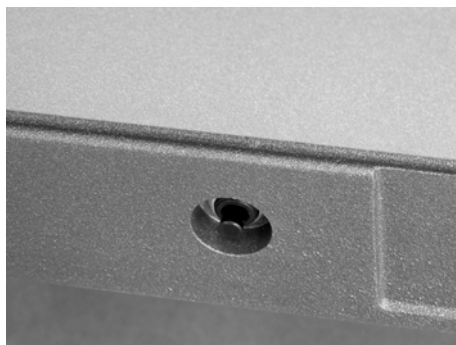
This switch of the cablift (1) is on the chassis. It has also the function of an automatic circuit breaker.



- Mount the load retainer on the cablift.
Details to it you can find in the mounting instruction of the load retainer.
- Switch on the cablift.
- Check the charge state of the cablift (see chapter Control Panel).
- Accomplish a function test, by moving the load retainer into the upper and lower end position (see chapter Operation).



Position OFF



Position ON

Operation

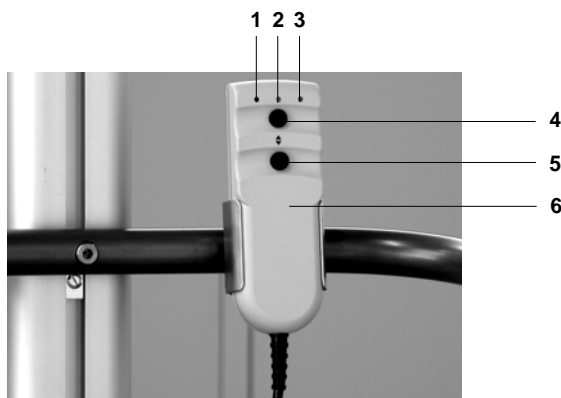
Control Panel

The control panel (6) is located on the handlebar and it is removable for remote control. It is equipped with three LED's to check the charge state of the accumulator and the keys ▲ (4) to lift and ▼ (5) to lower the load retainer.



NOTICE !

To avoid faulty operations make sure that the LED's at the removed control panel are always located above !



- The cablift can be operated with two different lift speeds.
Key (4) or (5) is pressed light - low speed (creep speed)
Key (4) or (5) is pressed strong - high speed
- First check the charge state of the accumulator :
green LED (3) - charge state 100 - 60 %
yellow LED (2) - charge state 59 - 30 %
red LED (1) - charge state ≤ 30 %.

The appropriate LED flashes if the cablift is in rest. During lifting and lowering the appropriate LED is on.



NOTICE !

When the red LED lights up the accumulator must be charged completely by connecting to a mains outlet (see section Maintenance).



CAUTION !

An over-discharge of the accumulator must be absolutely avoided !

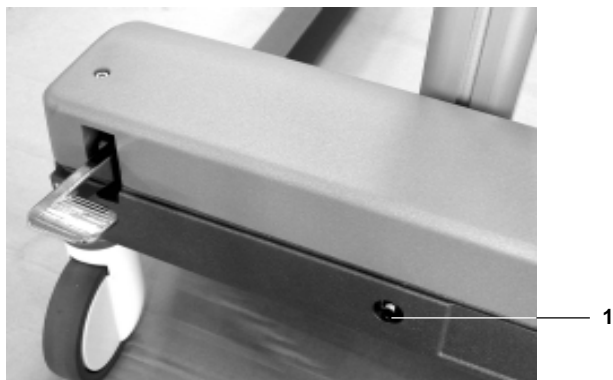
Emergency Stop

In the following described operating and/or error conditions an automatic safety shutdown takes place along with an acoustic signal.

Condition	Symptoms	Error Solution
Load retainer in upper end position / Lifting the retainer against an obstacle / Overload	When the ▲ key is pressed, the red LED and the LED that indicates the current charge state flash by turns; the load retainer cannot be lifted	Lower the load retainer by pressing the ▼ key; if necessary leave the obstacle area or reduce the loading
Load retainer in lower end position / Lowering the load retainer against an obstacle	When the ▼ key is pressed, the red LED and the LED that indicates the current charge state flash by turns; the load retainer cannot be lowered	Lift the load retainer by pressing the ▲ key; if necessary leave the obstacle area
Motor too hot	After pressing the ▲ or ▼ keys the yellow LED flashes for 5 seconds; the load retainer cannot be lifted or lowered	Wait until the motor has cooled down; restart the operation

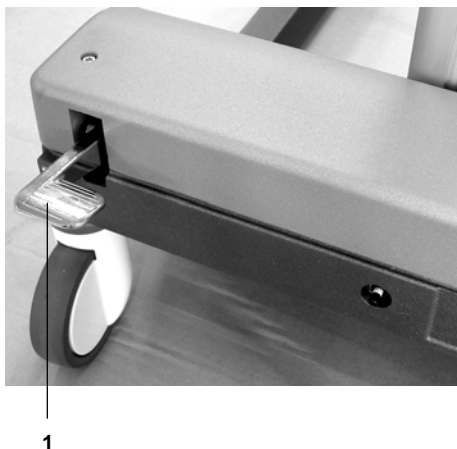
If a fatal error occurs (short-circuit in the electronics or in the motor) the cablift will be switched off by the automatic circuit breaker in the switch (1).

In this case try to switch on the cablift again. If the cablift is switched off again call for service.



Parking Brake

The cablift is equipped with a parking brake (1).

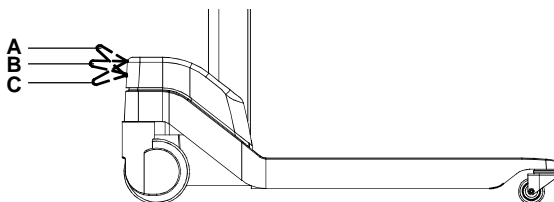


- Check the position of the parking brake (1) :

Upper position (A) - cablift can be moved and be steered with the front wheels.

Middle position (B) - cablift can be moved and steered.

Lower position (C) - cablift can not be moved.



NOTICE !

Always activate the parking brake during loading and unloading by pressing the brake lever (1) downwards !

Maintenance

We recommend a constant check of the charge state of the accumulator.



NOTICE !

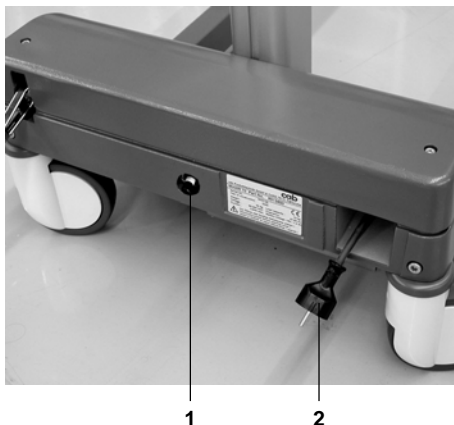
The accumulator should be charged daily after end of work. So it is guaranteed that the cablift is ready for operation on the following day.

An overcharging of the accumulator is not possible.



CAUTION !

An over-discharge of the accumulator must be absolutely avoided !



Charging the Accumulator

- Connect the cablift to a mains outlet, use the rolling up power cord (2).
- Switch on the cablift on the switch (1).
- During the charge process the green LED flashes.



CAUTION !

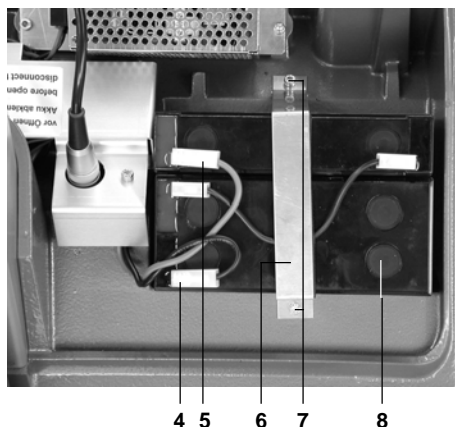
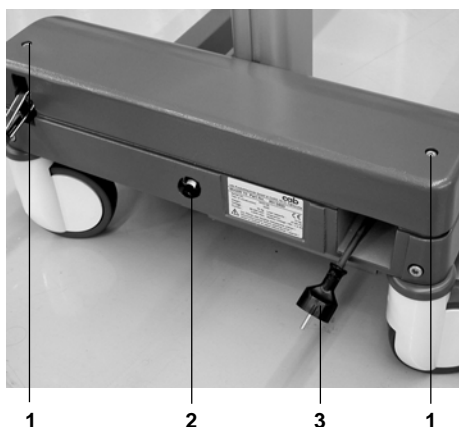
Do not open the machine during the charging !

- If the charge process is finished the green LED remains on.
- Disconnect the cablift from the mains outlet.
The power cord rolls up automatically.



CAUTION !

**Make sure that the power cord is rolled up slowly and equably !
When rolling up non-braked the power cord can be damaged !**



Changing the Accumulator (part number : 8913868)



WARNING !

Disconnect the power supply before changing the accumulator !

- Switch off the cablift on the switch (2).
- Loosen both screws (1) and remove the cover.
Use the Allen key 5 mm included in the delivery contents.
- Loosen both screws (7) and remove the clamp (6).
- First take off plug 4 (-) and then plug 5 (+) from the appropriate socket.
- Remove the accumulator (8).
- Insert the new accumulator and remount the clamp (6).
- First connect plug 5 (+) and then plug 4 (-) with the appropriate socket.
- Remount the cover.
- Dispose of the defective accumulator properly.



NOTICE !

Before using the cablift the accumulator has to be charged completely by connecting to a mains supply.

EU - Conformity Declaration

We declare herewith that as a result of the manner in which the machine designated below was designed, the type of construction and the machines which, as a result have been brought on to the general market comply with the relevant fundamental regulations of the EU Rules for Safety and Health. In the event of any alteration which has not been approved by us being made to any machine as designated below, this statement shall thereby be made invalid.

Device:
cablift

Type:
1x00/xRxx

Applied EU Regulations and Norms:

- EC Machinery Regulations

- Machine Safety

98/37/EU

EN ISO 12100-2:2003

EN 349:1993

EN 811:1996

EN 1494:2000

- Mobile or local changeable lifting devices
and similar fittings

- EC Voltage Regulations

73/23/EEC

EN 60204-1:1997

**- EC Electromagnetic Compatibility
Regulations**

89/336/EEC

- Limits of disruptive transmitting

EN 61000-6-3:2001

- Limits of disruptive strength

EN 61000-6-2:2001

- Limits for harmonic current emission

EN 61000-3-2:2001

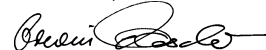
- Limits of voltage fluctuation and flicker

EN 61000-3-3:1995 + A1:2001

Signed for, and on behalf of the Manufacturer :

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99610 Sömmerda

Sömmerda, 14.07.04



Erwin Fascher
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